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(54) Title: CATALYSTS HAVING ENHANCED STABILITY, EFFICIENCY AND/OR ACTIVITY FOR ALKYLENE OXIDE PRODUCTION

(57) Abstract: A catalyst for the manufacture of alkylene oxide, for example ethylene oxide, by the vapor-phase epoxidation of alkene containing impregnated silver and at least one efficiency-enhancing promoter on an inert, refractory solid support, said support incorporating a sufficient amount of zirconium component (present and remaining substantially as zirconium silicate) as to enhance at least one of catalyst activity, efficiency and stability as compared to a similar catalyst which does not contain the zirconium component.